Title: SIRTF Studies of Galaxy Evolution

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Abstract:

SIRTF, the Space Infrared Telescope Facility, will complete NASA's family of Great Observatories, and is planning for launch in 2001. TWO of the four scientific objectives being used to define SIRTF's capabilities concern galaxy evolution: the study of redshifted starlight from quiescent galaxies, enabling measurement of the field galaxy luminosity function to $z > 3$; and the study of infrared luminous starburst galaxies, which SIRTF can observe to $z \sim 10$ for the most, luminous examples presently known, if they exist at such redshifts. We present further information on these objectives and on the capabilities of SIRTF.

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